



PATENT APPLICATION

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Satoru MIYASHITA et al.

Group Art Unit: 1773

Application No.: 09/101,083

Examiner: D. Lawrence Tarazano

Filed: July 8, 1998

Docket No.: 101050

For: METHOD OF MANUFACTURING ORGANIC EL ELEMENT,
ORGANIC EL ELEMENT, AND ORGANIC EL DISPLAY DEVICE

NINTH INFORMATION DISCLOSURE STATEMENT

Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

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Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. The references listed on pages 1-3 of the attached Form PTO-1449 were cited by or submitted to the Office in related application No. 09/901,097, filed July 10, 2001. Thus, copies of these references are not attached. 37 CFR §1.98(d).
- ☒ 3. Of the references attached and listed on page 4 of the attached Form PTO-1449, English-language Abstracts of the non-English language references are attached hereto.

Respectfully submitted,

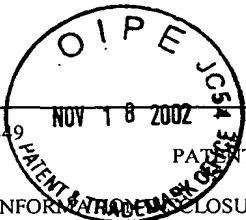
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Date: November 18, 2002

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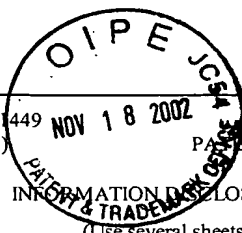
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Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 101050		APPLICATION NO. 09/101,083	
INFORMATIONAL CLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT(S): Satoru MIYASHITA et al.			
				FILING DATE: July 8, 1998		GROUP: 1773	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
		5,665,857	09/09/97	SHI	528	373	
		5,540,999	07/30/96	YAMAMOTO et al.	428	411.1	
		5,821,002	10/13/98	OHNISHI et al.	428	690	
		6,008,828	12/28/99	FURUKI et al.	347	139	
		5,281,489	01/25/94	MORI et al.	428	690	
		4,569,305	02/11/86	FERRI et al.			
		4,687,352	08/18/87	IGI et al.			
		4,792,817	12/20/88	BARNEY			
		5,534,716	07/09/96	TAKEMURA			
		5,645,901	07/08/97	FUKUCHI et al.			
		5,728,626	03/17/98	ALLMAN et al.			
		5,744,171	04/28/98	SCHNEIDER			
		5,757,453	05/26/98	SHIN et al.			
		5,759,268	06/02/98	BEGIN et al.			
		5,770,260	06/23/98	FUKUYAMA et al.			
		5,779,799	07/14/98	DAVIS			
		5,784,132	07/21/98	HASHIMOTO			
		5,989,945	11/23/99	YUDASAKA et al.	438	149	
		5,656,826	08/12/97	MISAWA et al.	257	72	
		5,274,481	12/28/93	KIM			
		5,399,390	03/21/95	AKINS			
		3,792,308	02/12/74	OTA			
		4,891,110	01/02/90	LIBMAN et al.			
		4,007,462	02/08/77	WETSEL, Jr.	427	157	
		6,180,294 B1	01/30/01	SHIBA et al.	349	106	
		09/901,095	07/10/01	KIMURA et al.			
		09/901,096	07/10/01	KIGUCHI et al.			
		09/901,126	07/10/01	YUDASAKA et al.			
EXAMINER					DATE CONSIDERED		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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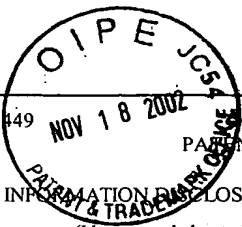
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INFORMATION CLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT(S): Satoru MIYASHITA et al.			
				FILING DATE: July 8, 1998		GROUP: 1773	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
		JP-A-3-102324	04/26/91	Japan			
		JP-A-3-126921	05/30/91	Japan			
		JP-A-4-253033	09/08/92	Japan			
		JP-A-5-105486	04/27/93	Japan			
		JP-A-5-116941	05/14/93	Japan			
		JP-A-6-204168	07/22/94	Japan			
		JP-A-62-223727	10/01/87	Japan			
		JP-A-6-281958	10/07/94	Japan			
		JP-A-61-78165	04/21/86	Japan			
		JP-A-7-122475	05/12/95	Japan			
		JP-A-8-1065	01/09/96	Japan			
		JP-A-8-32085	02/02/96	Japan			
		JP-A-5-283166	10/29/93	Japan			
		JP-A-6-308312 (w/English abstract)	11/04/94	Japan			
		JP-A-1-140188	06/01/89	Japan			
		JP-A-3-192334 (w/English abstract)	08/22/91	Japan			
		JP-A-6-281917 (w/English abstract)	10/07/94	Japan			
		JP-A-7-134288 (w/English abstract)	05/23/95	Japan			
		JP-A-3-33824 (w/English abstract)	02/14/91	Japan			
		JP-A-10-12377 (w/English translation)	01/16/98	Japan			
		O 431 249 A2	06/12/91	Europe			
		EP 0 732 868 A1	09/18/96	Europe			
		EP 0 717 439 A2	06/19/96	Europe			
		EP 0 756 932 A2	02/05/97	Europe			
		DE 196 03 451 A1	08/01/96	Germany			
		WO 90/13148	11/01/90	WIPO			
		WO 95/01871	01/19/95	WIPO			
		WO 98/32783	07/30/98	WIPO			
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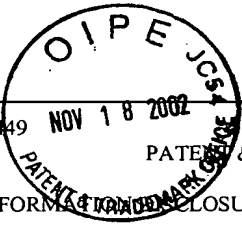
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		FILING DATE: July 8, 1998	GROUP: 1773
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)			
UCHIDA, Masao et al., "Color-Variable Light-Emitting Diode Utilizing Conducting Polymer Containing Fluorescent Dye", <i>Jpn. J. Appl. Phys.</i> , Part 2 (1993), 32 (7A), L921-L924 (Chemical Abstract, Vol. 119, No. 16).			
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		5,972,419	10/26/99	ROITMAN			
		6,137,221	10/24/00	ROITMAN et al.			
		2002/0011783 A1	01/31/02	HOSOKAWA			
		5,652,067	07/29/97	ITO et al.			
		5,472,889	12/05/95	KIM et al.			
		5,439,519	08/08/95	SAGO et al.			
		6,180,294 B1	01/30/01	SHIBA et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
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		0 218 117 A2	04/15/87	Europe			
		DE 42 12 501 C1 (w/English abstract)	08/05/93	Germany			
		0 589 049 A1	03/30/94	Europe			
		0 404 545 A2	12/27/90	Europe			
		JP-A-62-295028 (w/English abstract)	12/22/87	Japan			
		JP-A-6-308312 (w/English abstract)	11/04/94	Japan			
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